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ABSTRACT

An integral part of Title I of the Elementary and Secondary Education Act programs has been the evaluation of these programs in terms of attainment of increments of gain in reading and mathematics. One of the most widely used methods of analyzing pre and post test norm referenced data has been the six-step historical regression procedure. This procedure compares the rate of growth of children within a Title I program with the predicted rate of growth they would have achieved without the Title I program. This predicted rate of growth is based upon the students' previous rate which is established by a grade equivalent score on a norm referenced test. The first five steps of the procedure demonstrate how to calculate, for a given student with a grade equivalent score, a predicted score after a certain number of months (usually between six and ten). The tables which comprise this document offer a shortcut way of calculating predicted scores and thus allow the evaluator to avoid the tedious task of calculating predicted scores for each youngster in the program. Limitations to using the tables are given. (RC)

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TABLES FOR POSTTEST PREDICTION USING SIX-STEP HISTORICAL REGRESSION PROCEDURE

U.S. DEPARTMENT OF HEALTH, EDUCATION & WELFARE
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The University of the State of New York

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Division of Federal Education Opportunity Programs

Albany, New York 12234

March 1976

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FOREWORD

From its very beginning in 1965, Title I of the Elementary and Secondary Education Act has provided financial aid to local school districts for compensatory educational programs for educationally deprived children. An integral part of these programs has been the evaluation of them in terms of attainment of increments of gain in reading and mathematics.

Over the past few years one of the most widely used methods of analyzing pre and post test norm-referenced data has been the six-step historical regression procedure. The use of this method has a distinct advantage over many other types of analysis that have been used in the past to evaluate programs. Specifically, the six-step procedure compares the rate of growth of youngsters within a Title I program with the predicted rate of growth they would have achieved without the Title I program. This predicted rate of growth is based upon the students' previous rate which is established by a grade-equivalent score on a norm-referenced test.

The six-step historical regression procedure consists, as the name implies, of six distinct steps. However, the first five steps demonstrate how to calculate, for a given student with a grade equivalent score, a predicted score after a certain number of months (usually between 6 and 10). The tables which follow offer a shortcut way of calculating predicted scores and thus allow the evaluator to avoid the tedious task of calculating predicted scores for each youngster in the program.

There are some limitations in using the tables. First of all, the norm-referenced test used must have been administered in September. Secondly, the tables only cover periods of 6, 7, 8, 9 or 10 months. This second limitation is very small, however, since nearly all Title I programs using norm-referenced testing for evaluation will be conducted for 6, 7, 8, 9 or 10 months. A third possible limitation is that the tables can be used only to predict scores for students whose original score was below grade level. However, only students who measure below grade level should be included in a Title I program and thus for Title I youngsters this third possible limitation is not a real one.

There may be instances in which an evaluator may wish to predict a student's grade equivalent score but the tables are not appropriate. Such situations could occur if the pre test was administered sometime other than September or if the period of months under consideration did not fall into the 6-10 month range. For this reason the five steps that are circumvented when the tables can be used are spelled out on p. vi of this document. Thus the long method (the 5 steps) can be used when the tables do not cover the situation under consideration. However, in most instances the tables will be appropriate. Examples for the use of the tables can be found on p. 1. The actual tables begin on p. 2.

These tables were developed by George Aman, Associate, State Education Department, Division of Federal Education Opportunity Programs, Region II, Syracuse, New York. They were reviewed by Robert F. Miller who gave valuable counsel and recommendations. Mr. Miller is an Associate in the Bureau of Urban and Community Programs Evaluation, State Education Department, Albany, New York.

If you have any questions regarding the use of these tables, please contact your Regional Title I Office.

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Method for Estimating Post Tests in the Absence of ESEA Title I Intervention

Step 1. Obtain each pupil's pretest grade equivalent.

Step 2. Subtract 1 (since most standardized tests start at 1.0)

Step 3. Divide the figure obtained in step 2 by the number of months the pupil has been in school to obtain a hypothetical (historical regression) rate of growth per month. (Ignore Kindergarten months. 1 school year = 10 months.)

Step 4. Multiply the number of months between pretest and posttest administration by the historical rate of growth per month. Separate pupil data by number of months between tests, as well as by grade level interval, test used, etc.

Step 5. Add the figure obtained in step 4 to the pupil's pretest grade equivalent (step 1).

TABLE OF PREDICTED SCORES

This booklet contains tables that can be used to determine a pupil's predicted score on a standardized test assuming that growth will continue at its previous rate over a 6, 7, 8, 9 or 10 month period. One must know a child's (chronological) grade, his below-level grade equivalent score in September and the number of months from pre to post testing (6, 7, 8, 9 or 10 months). The following examples demonstrate how the table should be used.

Example 1: A fifth grade child scores 3.2 in September. No grades were repeated. What score should be attained 7 months later if growth continues at its historical rate? On page 5 of the tables look in the first column for a score of 3.2. Now move across the page until you come to the column headed "5th grade". Read the entry there which is 3.6.

Example 2: An 8th grade child scores 4.1 in September. No grades were repeated. What score should be attained 9 months later if growth continues at its historical rate? On page 12 of the tables look in the first column for a score of 4.1. Now move across the page until you come to the column headed "8th". Read the entry there which is 4.5.

Example 3: A 10th grade child scores 6.7 in September. One grade was repeated and for purposes of the table, he will be considered an 11th grade student. What score should be attained 8 months later if growth continues at its historical rate? On page 10 of the tables look in the first column for a score of 6.7. Now move across the page until you come to the column headed "11th". Read the entry there which is 7.2.

NOTE: THE TABLES ARE APPLICABLE ONLY TO PRETESTS OBTAINED IN SEPTEMBER. THE METHOD ON p. vi MAY BE USED FOR PRETESTS OBTAINED AT OTHER POINTS IN THE SCHOOL YEAR.

Predicted Grade Equivalent Scores Over 6 Month Period

G.E. Score in Sept.	2nd Grade	3rd Grade	4th Grade	5th Grade	6th Grade
1.0	1.0	1.0	1.0	1.0	1.0
1.1	1.2	1.1	1.1	1.1	1.1
1.2	1.3	1.3	1.2	1.2	1.2
1.3	1.5	1.4	1.4	1.3	1.3
1.4	1.6	1.5	1.5	1.5	1.4
1.5	1.8	1.6	1.6	1.6	1.6
1.6	2.0	1.8	1.7	1.7	1.7
1.7	2.1	1.9	1.8	1.8	1.8
1.8	2.3	2.0	2.0	1.9	1.9
1.9	2.4	2.2	2.1	2.0	2.0
2.0	2.6	2.3	2.2	2.2	2.1
2.1	-	2.4	2.3	2.3	2.2
2.2	-	2.6	2.4	2.4	2.3
2.3	-	2.7	2.6	2.5	2.5
2.4	-	2.8	2.7	2.6	2.6
2.5	-	3.0	2.8	2.7	2.7
2.6	-	3.1	2.9	2.8	2.8
2.7	-	3.2	3.0	3.0	2.9
2.8	-	3.3	3.2	3.1	3.0
2.9	-	3.5	3.3	3.2	3.1
3.0	-	3.6	3.4	3.3	3.2
3.1	-	-	3.5	3.4	3.4
3.2	-	-	3.6	3.5	3.5
3.3	-	-	3.8	3.6	3.6
3.4	-	-	3.9	3.8	3.7
3.5	-	-	4.0	3.9	3.8
3.6	-	-	4.1	4.0	3.9
3.7	-	-	4.2	4.1	4.0
3.8	-	-	4.4	4.2	4.1
3.9	-	-	4.5	4.3	4.2
4.0	-	-	4.6	4.4	4.4
4.1	-	-	-	4.6	4.5
4.2	-	-	-	4.7	4.6
4.3	-	-	-	4.8	4.7
4.4	-	-	-	4.9	4.8
4.5	-	-	-	5.0	4.9
4.6	-	-	-	5.1	5.0
4.7	-	-	-	5.3	5.1
4.8	-	-	-	5.4	5.3
4.9	-	-	-	5.5	5.4
5.0	-	-	-	5.6	5.5
5.1	-	-	-	-	5.6
5.2	-	-	-	-	5.7
5.3	-	-	-	-	5.8
5.4	-	-	-	-	5.9
5.5	-	-	-	-	6.0
5.6	-	-	-	-	6.2
5.7	-	-	-	-	6.3
5.8	-	-	-	-	6.4
5.9	-	-	-	-	6.5
6.0	-	-	-	-	6.6

Predicted Grade Equivalent Scores Over 6 Month Period

G.E. Score in Sept.	7th	8th	9th	10th	11th	12th
1.0	1.0	1.0	1.0	1.0	1.0	1.0
1.1	1.1	1.1	1.1	1.1	1.1	1.1
1.2	1.2	1.2	1.2	1.2	1.2	1.2
1.3	1.3	1.3	1.3	1.3	1.3	1.3
1.4	1.4	1.4	1.4	1.4	1.4	1.4
1.5	1.5	1.5	1.5	1.5	1.5	1.5
1.6	1.6	1.6	1.6	1.6	1.6	1.6
1.7	1.8	1.8	1.8	1.7	1.7	1.7
1.8	1.9	1.9	1.9	1.8	1.8	1.8
1.9	2.0	2.0	2.0	2.0	2.0	1.9
2.0	2.1	2.1	2.1	2.1	2.1	2.0
2.1	2.2	2.2	2.2	2.2	2.2	2.2
2.2	2.3	2.3	2.3	2.3	2.3	2.3
2.3	2.4	2.4	2.4	2.4	2.4	2.4
2.4	2.5	2.5	2.5	2.5	2.5	2.5
2.5	2.6	2.6	2.6	2.6	2.6	2.6
2.6	2.8	2.7	2.7	2.7	2.7	2.7
2.7	2.9	2.8	2.8	2.8	2.8	2.8
2.8	3.0	3.0	2.9	2.9	2.9	2.9
2.9	3.1	3.1	3.0	3.0	3.0	3.0
3.0	3.2	3.2	3.2	3.1	3.1	3.1
3.1	3.3	3.3	3.2	3.2	3.2	3.2
3.2	3.4	3.4	3.4	3.3	3.3	3.3
3.3	3.5	3.5	3.5	3.4	3.4	3.4
3.4	3.6	3.6	3.6	3.6	3.5	3.5
3.5	3.7	3.7	3.7	3.7	3.6	3.6
3.6	3.8	3.8	3.8	3.8	3.8	3.7
3.7	4.0	3.9	3.9	3.9	3.9	3.8
3.8	4.1	4.0	4.0	4.0	4.0	4.0
3.9	4.2	4.1	4.1	4.1	4.1	4.0
4.0	4.3	4.2	4.2	4.2	4.2	4.2
4.1	4.4	4.4	4.3	4.3	4.3	4.3
4.2	4.5	4.5	4.4	4.4	4.4	4.4
4.3	4.6	4.6	4.5	4.5	4.5	4.5
4.4	4.7	4.7	4.7	4.6	4.6	4.6
4.5	4.8	4.8	4.8	4.7	4.7	4.7
4.6	5.0	4.9	4.9	4.8	4.8	4.8
4.7	5.1	5.0	5.0	4.9	4.9	4.9
4.8	5.2	5.1	5.1	5.1	5.0	5.0
4.9	5.3	5.2	5.2	5.2	5.1	5.1
5.0	5.4	5.3	5.3	5.3	5.2	5.2
5.1	5.5	5.4	5.4	5.4	5.3	5.3
5.2	5.6	5.6	5.5	5.5	5.4	5.4
5.3	5.7	5.7	5.6	5.6	5.6	5.5
5.4	5.8	5.8	5.7	5.7	5.7	5.6
5.5	5.9	5.9	5.8	5.8	5.8	5.7
5.6	6.0	6.0	5.9	5.9	5.9	5.8
5.7	6.2	6.1	6.0	6.0	6.0	6.0
5.8	6.3	6.2	6.2	6.1	6.1	6.1
5.9	6.4	6.3	6.3	6.2	6.2	6.2
6.0	6.5	6.4	6.4	6.3	6.3	6.3

Predicted Grade Equivalent Scores Over 6 Month Period

G.E. Score in Sept.	7th	8th	9th	10th	11th	12th
6.1	6.6	6.5	6.5	6.4	6.4	6.4
6.2	6.7	6.6	6.6	6.5	6.5	6.5
6.3	6.8	6.8	6.7	6.6	6.6	6.6
6.4	6.9	6.9	6.8	6.8	6.7	6.7
6.5	7.0	7.0	6.9	6.9	6.8	6.8
6.6	7.2	7.1	7.0	7.0	6.9	6.9
6.7	7.3	7.2	7.1	7.1	7.0	7.0
6.8	7.4	7.3	7.2	7.2	7.1	7.1
6.9	7.5	7.4	7.3	7.3	7.2	7.2
7.0	7.6	7.5	7.4	7.4	7.4	7.3
7.1	-	7.6	7.6	7.5	7.5	7.4
7.2	-	7.7	7.7	7.6	7.6	7.5
7.3	-	7.8	7.8	7.7	7.7	7.6
7.4	-	7.9	7.9	7.8	7.8	7.7
7.5	-	8.0	8.0	7.9	7.9	7.8
7.6	-	8.2	8.1	8.0	8.0	8.0
7.7	-	8.3	8.2	8.1	8.1	8.1
7.8	-	8.4	8.3	8.2	8.2	8.2
7.9	-	8.5	8.4	8.4	8.3	8.3
8.0	-	8.6	8.5	8.5	8.4	8.4
8.1	-	-	8.6	8.6	8.5	8.5
8.2	-	-	8.7	8.7	8.6	8.6
8.3	-	-	8.8	8.8	8.7	8.7
8.4	-	-	9.0	8.9	8.8	8.8
8.5	-	-	9.1	9.0	9.0	8.9
8.6	-	-	9.2	9.1	9.0	9.0
8.7	-	-	9.3	9.2	9.2	9.1
8.8	-	-	9.4	9.3	9.3	9.2
8.9	-	-	9.5	9.4	9.4	9.3
9.0	-	-	9.6	9.5	9.5	9.4
9.1	-	-	-	9.6	9.6	9.5
9.2	-	-	-	9.7	9.7	9.6
9.3	-	-	-	9.8	9.8	9.8
9.4	-	-	-	10.0	9.9	9.8
9.5	-	-	-	10.1	10.0	10.0
9.6	-	-	-	10.2	10.1	10.1
9.7	-	-	-	10.3	10.2	10.2
9.8	-	-	-	10.4	10.3	10.3
9.9	-	-	-	10.5	10.4	10.4
10.0	-	-	-	10.6	10.5	10.5
10.1	-	-	-	-	10.6	10.6
10.2	-	-	-	-	10.8	10.7
10.3	-	-	-	-	10.8	10.8
10.4	-	-	-	-	11.0	10.9
10.5	-	-	-	-	11.1	11.0
10.6	-	-	-	-	11.2	11.1
10.7	-	-	-	-	11.3	11.2
10.8	-	-	-	-	11.4	11.3
10.9	-	-	-	-	11.5	11.4
11.0	-	-	-	-	11.6	11.5

Predicted Grade Equivalent Scores Over 7 Month Period

G.E. Score in Sept.	2nd Grade	3rd Grade	4th Grade	5th Grade	6th Grade
1.0	1.0	1.0	1.0	1.0	1.0
1.1	1.2	1.1	1.1	1.1	1.1
1.2	1.3	1.3	1.2	1.2	1.2
1.3	1.5	1.4	1.4	1.4	1.3
1.4	1.7	1.5	1.5	1.5	1.4
1.5	1.8	1.7	1.6	1.6	1.6
1.6	2.0	1.8	1.7	1.7	1.7
1.7	2.2	1.9	1.9	1.8	1.8
1.8	2.4	2.1	2.0	1.9	1.9
1.9	2.5	2.2	2.1	2.0	2.0
2.0	2.7	2.4	2.2	2.2	2.1
2.1	-	2.5	2.4	2.3	2.2
2.2	-	2.6	2.5	2.4	2.4
2.3	-	2.8	2.6	2.5	2.5
2.4	-	2.9	2.7	2.6	2.6
2.5	-	3.0	2.9	2.8	2.7
2.6	-	3.2	3.0	2.9	2.8
2.7	-	3.3	3.1	3.0	2.9
2.8	-	3.4	3.2	3.1	3.0
2.9	-	3.6	3.3	3.2	3.2
3.0	-	3.7	3.5	3.4	3.3
3.1	-	-	3.6	3.5	3.4
3.2	-	-	3.7	3.6	3.5
3.3	-	-	3.8	3.7	3.6
3.4	-	-	4.0	3.8	3.7
3.5	-	-	4.1	3.9	3.8
3.6	-	-	4.2	4.0	4.0
3.7	-	-	4.3	4.2	4.1
3.8	-	-	4.4	4.3	4.2
3.9	-	-	4.6	4.4	4.3
4.0	-	-	4.7	4.5	4.4
4.1	-	-	-	4.5	4.5
4.2	-	-	-	4.8	4.6
4.3	-	-	-	4.9	4.8
4.4	-	-	-	5.0	4.9
4.5	-	-	-	5.1	5.0
4.6	-	-	-	5.2	5.1
4.7	-	-	-	5.3	5.2
4.8	-	-	-	5.5	5.3
4.9	-	-	-	5.6	5.4
5.0	-	-	-	5.7	5.6
5.1	-	-	-	-	5.7
5.2	-	-	-	-	5.8
5.3	-	-	-	-	5.9
5.4	-	-	-	-	6.0
5.5	-	-	-	-	6.1
5.6	-	-	-	-	6.2
5.7	-	-	-	-	6.4
5.8	-	-	-	-	6.5
5.9	-	-	-	-	6.6
6.0	-	-	-	-	6.7

Predicted Grade Equivalent Scores Over 7 Month Period

G.E. Score in Sept.	7th	8th	9th	10th	11th	12th
1.0	1.0	1.0	1.0	1.0	1.0	1.0
1.1	1.1	1.1	1.1	1.1	1.1	1.1
1.2	1.2	1.2	1.2	1.2	1.2	1.2
1.3	1.3	1.3	1.3	1.3	1.3	1.3
1.4	1.4	1.4	1.4	1.4	1.4	1.4
1.5	1.6	1.5	1.5	1.5	1.5	1.5
1.6	1.7	1.6	1.6	1.6	1.6	1.6
1.7	1.8	1.8	1.8	1.8	1.7	1.7
1.8	1.9	1.9	1.9	1.9	1.8	1.8
1.9	2.0	2.0	2.0	2.0	2.0	2.0
2.0	2.1	2.1	2.1	2.1	2.1	2.1
2.1	2.2	2.2	2.2	2.2	2.2	2.2
2.2	2.3	2.3	2.3	2.3	2.3	2.3
2.3	2.4	2.4	2.4	2.4	2.4	2.4
2.4	2.6	2.5	2.5	2.5	2.5	2.5
2.5	2.7	2.7	2.6	2.6	2.6	2.6
2.6	2.8	2.8	2.7	2.7	2.7	2.7
2.7	2.9	2.9	2.8	2.8	2.8	2.8
2.8	3.0	3.0	3.0	2.9	2.9	2.9
2.9	3.1	3.1	3.1	3.0	3.0	3.0
3.0	3.2	3.2	3.2	3.2	3.1	3.1
3.1	3.3	3.3	3.3	3.3	3.2	3.2
3.2	3.4	3.4	3.4	3.4	3.4	3.3
3.3	3.6	3.5	3.5	3.5	3.5	3.4
3.4	3.7	3.6	3.6	3.6	3.6	3.6
3.5	3.8	3.7	3.7	3.7	3.7	3.6
3.6	3.9	3.8	3.8	3.8	3.8	3.8
3.7	4.0	4.0	3.9	3.9	3.9	3.9
3.8	4.1	4.1	4.0	4.0	4.0	4.0
3.9	4.2	4.2	4.2	4.1	4.1	4.1
4.0	4.4	4.3	4.3	4.2	4.2	4.2
4.1	4.5	4.4	4.4	4.3	4.3	4.3
4.2	4.6	4.5	4.5	4.4	4.4	4.4
4.3	4.7	4.6	4.6	4.6	4.5	4.5
4.4	4.8	4.7	4.7	4.7	4.6	4.6
4.5	4.9	4.9	4.8	4.8	4.7	4.7
4.6	5.0	5.0	4.9	4.9	4.8	4.8
4.7	5.1	5.1	5.0	5.0	5.0	4.9
4.8	5.2	5.2	5.1	5.1	5.1	5.0
4.9	5.4	5.3	5.2	5.2	5.2	5.1
5.0	5.5	5.4	5.4	5.3	5.3	5.2
5.1	5.6	5.5	5.4	5.4	5.4	5.4
5.2	5.7	5.6	5.6	5.5	5.5	5.5
5.3	5.8	5.7	5.7	5.6	5.6	5.6
5.4	5.9	5.8	5.8	5.7	5.7	5.7
5.5	6.0	5.9	5.9	5.9	5.8	5.8
5.6	6.1	6.0	6.0	6.0	5.9	5.9
5.7	6.2	6.2	6.1	6.1	6.0	6.0
5.8	6.4	6.3	6.2	6.2	6.1	6.1
5.9	6.5	6.4	6.3	6.3	6.2	6.2
6.0	6.6	6.5	6.4	6.4	6.4	6.3

Predicted Grade Equivalent Scores Over 7 Month Period

G.E. Score in Sept.	7th	8th	9th	10th	11th	12th
6.1	6.7	6.6	6.5	6.5	6.4	6.4
6.2	6.8	6.7	6.6	6.6	6.6	6.5
6.3	6.9	6.8	6.8	6.7	6.7	6.6
6.4	7.0	6.9	6.9	6.8	6.8	6.7
6.5	7.1	7.1	7.0	6.9	6.9	6.9
6.6	7.2	7.2	7.1	7.0	7.0	7.0
6.7	7.4	7.3	7.2	7.1	7.1	7.1
6.8	7.5	7.4	7.3	7.2	7.2	7.2
6.9	7.6	7.5	7.4	7.4	7.3	7.3
7.0	7.7	7.6	7.5	7.5	7.4	7.4
7.1	-	7.7	7.6	7.6	7.5	7.5
7.2	-	7.8	7.7	7.7	7.6	7.6
7.3	-	7.9	7.8	7.8	7.7	7.7
7.4	-	8.0	8.0	7.9	7.8	7.8
7.5	-	8.1	8.1	8.0	8.0	7.9
7.6	-	8.2	8.2	8.1	8.1	8.0
7.7	-	8.4	8.3	8.2	8.2	8.1
7.8	-	8.5	8.4	8.3	8.3	8.2
7.9	-	8.6	8.5	8.4	8.4	8.3
8.0	-	8.7	8.6	8.5	8.5	8.4
8.1	-	-	8.7	8.6	8.6	8.6
8.2	-	-	8.8	8.8	8.7	8.6
8.3	-	-	8.9	8.9	8.8	8.8
8.4	-	-	9.0	9.0	8.9	8.9
8.5	-	-	9.2	9.1	9.0	9.0
8.6	-	-	9.3	9.2	9.1	9.1
8.7	-	-	9.4	9.3	9.2	9.2
8.8	-	-	9.5	9.4	9.3	9.3
8.9	-	-	9.6	9.5	9.4	9.4
9.0	-	-	9.7	9.6	9.6	9.5
9.1	-	-	-	9.7	9.7	9.6
9.2	-	-	-	9.8	9.8	9.7
9.3	-	-	-	9.9	9.9	9.8
9.4	-	-	-	10.0	10.0	9.9
9.5	-	-	-	10.2	10.1	10.0
9.6	-	-	-	10.3	10.2	10.1
9.7	-	-	-	10.4	10.3	10.2
9.8	-	-	-	10.5	10.4	10.4
9.9	-	-	-	10.6	10.5	10.5
10.0	-	-	-	10.7	10.6	10.6
10.1	-	-	-	-	10.7	10.7
10.2	-	-	-	-	10.8	10.8
10.3	-	-	-	-	11.0	10.9
10.4	-	-	-	-	11.0	11.0
10.5	-	-	-	-	11.2	11.1
10.6	-	-	-	-	11.3	11.2
10.7	-	-	-	-	11.4	11.3
10.8	-	-	-	-	11.5	11.4
10.9	-	-	-	-	11.6	11.5
11.0	-	-	-	-	11.7	11.6

Predicted Grade Equivalent Scores Over 8 Month Period

G.E. Score in Sept.	2nd Grade	3rd Grade	4th Grade	5th Grade	6th Grade
1.0	1.0	1.0	1.0	1.0	1.0
1.1	1.2	1.1	1.1	1.1	1.1
1.2	1.4	1.3	1.2	1.2	1.2
1.3	1.5	1.4	1.4	1.4	1.3
1.4	1.7	1.6	1.5	1.5	1.5
1.5	1.9	1.7	1.6	1.6	1.6
1.6	2.1	1.8	1.8	1.7	1.7
1.7	2.3	2.0	1.9	1.8	1.8
1.8	2.4	2.1	2.0	2.0	2.0
1.9	2.6	2.3	2.1	2.1	2.1
2.0	2.8	2.4	2.3	2.2	2.2
2.1	-	2.5	2.4	2.3	2.3
2.2	-	2.7	2.5	2.4	2.4
2.3	-	2.8	2.6	2.6	2.6
2.4	-	3.0	2.8	2.7	2.7
2.5	-	3.1	2.9	2.8	2.8
2.6	-	3.2	3.0	2.9	2.9
2.7	-	3.4	3.2	3.0	3.0
2.8	-	3.5	3.3	3.2	3.2
2.9	-	3.7	3.4	3.3	3.3
3.0	-	3.8	3.5	3.4	3.4
3.1	-	-	3.6	3.5	3.5
3.2	-	-	3.8	3.6	3.6
3.3	-	-	3.9	3.8	3.8
3.4	-	-	4.0	3.9	3.9
3.5	-	-	4.2	4.0	4.0
3.6	-	-	4.3	4.1	4.1
3.7	-	-	4.4	4.2	4.1
3.8	-	-	4.5	4.4	4.2
3.9	-	-	4.7	4.5	4.4
4.0	-	-	4.8	4.6	4.5
4.1	-	-	-	4.7	4.6
4.2	-	-	-	4.8	4.7
4.3	-	-	-	5.0	4.8
4.4	-	-	-	5.1	4.9
4.5	-	-	-	5.2	5.0
4.6	-	-	-	5.3	5.2
4.7	-	-	-	5.4	5.3
4.8	-	-	-	5.6	5.4
4.9	-	-	-	5.7	5.5
5.0	-	-	-	5.8	5.6
5.1	-	-	-	-	5.8
5.2	-	-	-	-	5.9
5.3	-	-	-	-	6.0
5.4	-	-	-	-	6.1
5.5	-	-	-	-	6.2
5.6	-	-	-	-	6.3
5.7	-	-	-	-	6.4
5.8	-	-	-	-	6.6
5.9	-	-	-	-	6.7
6.0	-	-	-	-	6.8

Predicted Grade Equivalent Scores Over 8 Month Period

G.E. Score in Sept.	7th	8th	9th	10th	11th	12th
1.0	1.0	1.0	1.0	1.0	1.0	1.0
1.1	1.1	1.1	1.1	1.1	1.1	1.1
1.2	1.2	1.2	1.2	1.2	1.2	1.2
1.3	1.3	1.3	1.3	1.3	1.3	1.3
1.4	1.4	1.4	1.4	1.4	1.4	1.4
1.5	1.6	1.6	1.5	1.5	1.5	1.5
1.6	1.7	1.7	1.7	1.6	1.6	1.6
1.7	1.8	1.8	1.8	1.8	1.8	1.7
1.8	1.9	1.9	1.9	1.9	1.9	1.8
1.9	2.0	2.0	2.0	2.0	2.0	2.0
2.0	2.1	2.1	2.1	2.1	2.1	2.1
2.1	2.2	2.2	2.2	2.2	2.2	2.2
2.2	2.4	2.3	2.3	2.3	2.3	2.3
2.3	2.5	2.4	2.4	2.4	2.4	2.4
2.4	2.6	2.6	2.5	2.5	2.5	2.5
2.5	2.7	2.7	2.6	2.6	2.6	2.6
2.6	2.8	2.8	2.8	2.7	2.7	2.7
2.7	2.9	2.9	2.9	2.8	2.8	2.8
2.8	3.0	3.0	3.0	3.0	2.9	2.9
2.9	3.1	3.1	3.1	3.1	3.0	3.0
3.0	3.3	3.2	3.2	3.2	3.2	3.1
3.1	3.4	3.3	3.3	3.3	3.3	3.2
3.2	3.5	3.4	3.4	3.4	3.4	3.4
3.3	3.6	3.6	3.5	3.5	3.5	3.5
3.4	3.7	3.7	3.6	3.6	3.6	3.6
3.5	3.8	3.8	3.8	3.7	3.7	3.7
3.6	3.9	3.9	3.9	3.8	3.8	3.8
3.7	4.0	4.0	4.0	3.9	3.9	3.9
3.8	4.2	4.1	4.1	4.0	4.0	4.0
3.9	4.3	4.2	4.2	4.2	4.1	4.1
4.0	4.4	4.3	4.3	4.3	4.2	4.2
4.1	4.5	4.4	4.4	4.4	4.3	4.3
4.2	4.6	4.6	4.5	4.5	4.4	4.4
4.3	4.7	4.7	4.6	4.6	4.6	4.5
4.4	4.8	4.8	4.7	4.7	4.7	4.6
4.5	5.0	4.9	4.8	4.8	4.8	4.7
4.6	5.1	5.0	5.0	4.9	4.9	4.9
4.7	5.2	5.1	5.1	5.0	5.0	5.0
4.8	5.3	5.2	5.2	5.1	5.1	5.1
4.9	5.4	5.3	5.3	5.2	5.2	5.2
5.0	5.5	5.4	5.4	5.4	5.3	5.3
5.1	5.6	5.6	5.5	5.5	5.4	5.4
5.2	5.8	5.7	5.6	5.6	5.5	5.5
5.3	5.9	5.8	5.7	5.7	5.6	5.6
5.4	6.0	5.9	5.8	5.8	5.8	5.7
5.5	6.1	6.0	5.9	5.9	5.9	5.8
5.6	6.2	6.1	6.1	6.0	6.0	5.9
5.7	6.3	6.2	6.2	6.1	6.1	6.0
5.8	6.4	6.3	6.2	6.2	6.2	6.1
5.9	6.5	6.4	6.4	6.3	6.3	6.2
6.0	6.7	6.6	6.5	6.4	6.4	6.4

Predicted Grade Equivalent Scores Over 8 Month Period

G.E. Score in Sept.	7th	8th	9th	10th	11th	12th
6.1	6.8	6.7	6.6	6.5	6.5	6.5
6.2	6.9	6.8	6.7	6.7	6.6	6.6
6.3	7.0	6.9	6.8	6.8	6.7	6.7
6.4	7.1	7.0	6.9	6.9	6.8	6.8
6.5	7.2	7.1	7.0	7.0	6.9	6.9
6.6	7.3	7.2	7.2	7.1	7.0	7.0
6.7	7.4	7.3	7.3	7.3	7.2	7.1
6.8	7.6	7.5	7.4	7.3	7.3	7.2
6.9	7.7	7.6	7.5	7.4	7.4	7.3
7.0	7.8	7.7	7.6	7.5	7.5	7.4
7.1	-	7.8	7.7	7.6	7.6	7.5
7.2	-	7.9	7.8	7.7	7.7	7.6
7.3	-	8.0	7.9	7.8	7.8	7.8
7.4	-	8.1	8.0	8.0	7.9	7.9
7.5	-	8.2	8.1	8.1	8.0	8.0
7.6	-	8.4	8.3	8.2	8.1	8.1
7.7	-	8.5	8.4	8.3	8.2	8.2
7.8	-	8.6	8.5	8.4	8.3	8.3
7.9	-	8.7	8.6	8.5	8.4	8.4
8.0	-	8.8	8.7	8.6	8.6	8.5
8.1	-	-	8.8	8.7	8.7	8.6
8.2	-	-	8.9	8.8	8.8	8.7
8.3	-	-	9.0	8.9	8.9	8.8
8.4	-	-	9.1	9.0	9.0	8.9
8.5	-	-	9.2	9.2	9.1	9.0
8.6	-	-	9.4	9.3	9.2	9.2
8.7	-	-	9.5	9.4	9.3	9.2
8.8	-	-	9.6	9.5	9.4	9.4
8.9	-	-	9.7	9.6	9.5	9.5
9.0	-	-	9.8	9.7	9.6	9.6
9.1	-	-	-	9.8	9.7	9.7
9.2	-	-	-	9.9	9.8	9.8
9.3	-	-	-	10.0	10.0	10.0
9.4	-	-	-	10.1	10.1	10.1
9.5	-	-	-	10.2	10.2	10.1
9.6	-	-	-	10.4	10.3	10.2
9.7	-	-	-	10.5	10.4	10.3
9.8	-	-	-	10.6	10.5	10.4
9.9	-	-	-	10.7	10.6	10.5
10.0	-	-	-	10.8	10.7	10.6
10.1	-	-	-	-	10.8	10.8
10.2	-	-	-	-	10.9	10.9
10.3	-	-	-	-	11.0	11.0
10.4	-	-	-	-	11.2	11.1
10.5	-	-	-	-	11.3	11.2
10.6	-	-	-	-	11.4	11.3
10.7	-	-	-	-	11.5	11.4
10.8	-	-	-	-	11.6	11.5
10.9	-	-	-	-	11.7	11.6
11.0	-	-	-	-	11.8	11.7

Predicted Grade Equivalent Scores Over 9 Month Period

G.E. Score in Sept.	2nd Grade	3rd Grade	4th Grade	5th Grade	6th Grade
1.0	1.0	1.0	1.0	1.0	1.0
1.1	1.2	1.1	1.1	1.1	1.1
1.2	1.4	1.3	1.2	1.2	1.2
1.3	1.6	1.4	1.4	1.4	1.4
1.4	1.8	1.6	1.5	1.5	1.5
1.5	2.0	1.7	1.7	1.6	1.6
1.6	2.1	1.9	1.8	1.7	1.7
1.7	2.3	2.0	1.9	1.8	1.8
1.8	2.5	2.2	2.0	2.0	1.9
1.9	2.7	2.3	2.2	2.1	2.1
2.0	2.9	2.4	2.3	2.2	2.2
2.1	-	2.6	2.4	2.3	2.3
2.2	-	2.7	2.6	2.5	2.4
2.3	-	2.9	2.7	2.6	2.6
2.4	-	3.0	2.8	2.7	2.6
2.5	-	3.2	3.0	2.8	2.8
2.6	-	3.3	3.1	2.9	2.9
2.7	-	3.5	3.2	3.1	3.0
2.8	-	3.6	3.3	3.2	3.1
2.9	-	3.8	3.5	3.3	3.2
3.0	-	3.9	3.6	3.4	3.4
3.1	-	-	3.7	3.6	3.5
3.2	-	-	3.8	3.7	3.6
3.3	-	-	4.0	3.8	3.7
3.4	-	-	4.1	3.9	3.8
3.5	-	-	4.3	4.1	4.0
3.6	-	-	4.4	4.2	4.1
3.7	-	-	4.5	4.3	4.2
3.8	-	-	4.6	4.4	4.3
3.9	-	-	4.8	4.6	4.4
4.0	-	-	4.9	4.7	4.5
4.1	-	-	-	4.8	4.6
4.2	-	-	-	4.9	4.8
4.3	-	-	-	5.0	4.9
4.4	-	-	-	5.1	5.0
4.5	-	-	-	5.2	5.1
4.6	-	-	-	5.3	5.2
4.7	-	-	-	5.4	5.4
4.8	-	-	-	5.6	5.5
4.9	-	-	-	5.7	5.6
5.0	-	-	-	5.9	5.7
5.1	-	-	-	-	5.8
5.2	-	-	-	-	6.0
5.3	-	-	-	-	6.1
5.4	-	-	-	-	6.2
5.5	-	-	-	-	6.3
5.6	-	-	-	-	6.4
5.7	-	-	-	-	6.5
5.8	-	-	-	-	6.7
5.9	-	-	-	-	6.8
6.0	-	-	-	-	6.9

Predicted Grade Equivalent Scores Over 9 Month Period

G.E. Score in Sept.	7th	8th	9th	10th	11th	12th
1.0	1.0	1.0	1.0	1.0	1.0	1.0
1.1	1.1	1.1	1.1	1.1	1.1	1.1
1.2	1.2	1.2	1.2	1.2	1.2	1.2
1.3	1.3	1.3	1.3	1.3	1.3	1.3
1.4	1.4	1.4	1.4	1.4	1.4	1.4
1.5	1.6	1.6	1.6	1.5	1.5	1.5
1.6	1.7	1.7	1.7	1.6	1.6	1.6
1.7	1.8	1.8	1.8	1.8	1.8	1.8
1.8	1.9	1.9	1.9	1.9	1.9	1.9
1.9	2.0	2.0	2.0	2.0	2.0	2.0
2.0	2.1	2.1	2.1	2.0	2.1	2.1
2.1	2.3	2.2	2.2	2.2	2.2	2.2
2.2	2.4	2.4	2.3	2.3	2.3	2.3
2.3	2.5	2.5	2.4	2.4	2.4	2.4
2.4	2.6	2.6	2.6	2.6	2.5	2.5
2.5	2.7	2.7	2.7	2.6	2.6	2.6
2.6	2.8	2.8	2.8	2.8	2.7	2.7
2.7	3.0	2.9	2.9	2.9	2.8	2.8
2.8	3.1	3.0	3.0	3.0	2.9	2.9
2.9	3.2	3.1	3.1	3.1	3.0	3.1
3.0	3.3	3.2	3.2	3.2	3.2	3.2
3.1	3.4	3.4	3.3	3.3	3.3	3.3
3.2	3.5	3.5	3.4	3.4	3.4	3.4
3.3	3.6	3.6	3.6	3.5	3.5	3.5
3.4	3.8	3.7	3.7	3.6	3.6	3.6
3.5	3.9	3.8	3.8	3.7	3.7	3.7
3.6	4.0	3.9	3.9	3.8	3.8	3.8
3.7	4.1	4.0	4.0	4.0	3.9	3.9
3.8	4.2	4.2	4.1	4.1	4.0	4.0
3.9	4.3	4.3	4.2	4.2	4.1	4.1
4.0	4.5	4.4	4.3	4.3	4.2	4.2
4.1	4.6	4.5	4.4	4.4	4.4	4.4
4.2	4.7	4.6	4.6	4.5	4.5	4.5
4.3	4.8	4.7	4.7	4.6	4.6	4.6
4.4	4.9	4.8	4.8	4.7	4.7	4.7
4.5	5.0	5.0	4.9	4.8	4.8	4.8
4.6	5.1	5.1	5.0	5.0	4.9	4.9
4.7	5.2	5.2	5.1	5.1	5.0	5.0
4.8	5.4	5.3	5.2	5.2	5.1	5.1
4.9	5.5	5.4	5.3	5.3	5.2	5.2
5.0	5.6	5.5	5.4	5.4	5.3	5.3
5.1	5.7	5.6	5.6	5.5	5.4	5.4
5.2	5.8	5.7	5.7	5.6	5.5	5.5
5.3	5.9	5.8	5.8	5.7	5.6	5.7
5.4	6.0	6.0	5.9	5.8	5.8	5.8
5.5	6.2	6.1	6.0	6.0	5.9	5.9
5.6	6.3	6.2	6.1	6.0	6.0	6.0
5.7	6.4	6.3	6.2	6.2	6.1	6.1
5.8	6.5	6.4	6.3	6.3	6.2	6.2
5.9	6.6	6.5	6.4	6.4	6.3	6.3
6.0	6.7	6.6	6.6	6.5	6.4	6.4

Predicted Grade Equivalent Scores Over 7 Month Period

G.E. Score in Sept.	7th	8th	9th	10th	11th	12th
6.1	6.9	6.7	6.7	6.6	6.5	6.5
6.2	7.0	6.9	6.8	6.7	6.6	6.6
6.3	7.1	7.0	6.9	6.8	6.7	6.7
6.4	7.2	7.1	7.0	6.9	6.8	6.8
6.5	7.3	7.2	7.1	7.0	6.9	7.0
6.6	7.4	7.3	7.2	7.2	7.0	7.1
6.7	7.6	7.4	7.3	7.3	7.2	7.2
6.8	7.7	7.5	7.4	7.4	7.3	7.3
6.9	7.8	7.6	7.6	7.5	7.4	7.4
7.0	7.9	7.8	7.7	7.6	7.5	7.5
7.1	-	7.9	7.8	7.7	7.6	7.6
7.2	-	8.0	7.9	7.8	7.7	7.7
7.3	-	8.1	8.0	7.9	7.8	7.8
7.4	-	8.2	8.1	8.0	7.9	7.9
7.5	-	8.3	8.2	8.1	8.0	8.0
7.6	-	8.4	8.3	8.2	8.1	8.1
7.7	-	8.6	8.4	8.4	8.2	8.2
7.8	-	8.7	8.6	8.5	8.4	8.3
7.9	-	8.8	8.7	8.6	8.5	8.5
8.0	-	8.9	8.8	8.7	8.6	8.6
8.1	-	-	8.9	8.8	8.7	8.7
8.2	-	-	9.0	8.9	8.8	8.8
8.3	-	-	9.1	9.0	8.9	8.9
8.4	-	-	9.2	9.1	9.0	9.0
8.5	-	-	9.3	9.2	9.1	9.1
8.6	-	-	9.4	9.4	9.2	9.2
8.7	-	-	9.6	9.5	9.3	9.3
8.8	-	-	9.7	9.6	9.4	9.4
8.9	-	-	9.8	9.7	9.5	9.5
9.0	-	-	9.9	9.8	9.6	9.6
9.1	-	-	-	9.9	9.8	9.8
9.2	-	-	-	10.0	9.9	9.9
9.3	-	-	-	10.1	10.0	10.0
9.4	-	-	-	10.2	10.1	10.1
9.5	-	-	-	10.3	10.2	10.2
9.6	-	-	-	10.4	10.3	10.3
9.7	-	-	-	10.6	10.4	10.4
9.8	-	-	-	10.7	10.5	10.5
9.9	-	-	-	10.8	10.6	10.6
10.0	-	-	-	10.9	10.7	10.7
10.1	-	-	-	-	10.8	10.8
10.2	-	-	-	-	11.0	10.9
10.3	-	-	-	-	11.1	11.1
10.4	-	-	-	-	11.2	11.2
10.5	-	-	-	-	11.3	11.3
10.6	-	-	-	-	11.4	11.4
10.7	-	-	-	-	11.5	11.5
10.8	-	-	-	-	11.6	11.6
10.9	-	-	-	-	11.7	11.7
11.0	-	-	-	-	11.8	11.8

Predicted Grade Equivalent Scores Over 10 Month Period

G.E. Score in Sept.	2nd Grade	3rd Grade	4th Grade	5th Grade	6th Grade
1.0	1.0	1.0	1.0	1.0	1.0
1.1	1.2	1.2	1.1	1.1	1.1
1.2	1.4	1.3	1.3	1.2	1.2
1.3	1.6	1.4	1.4	1.4	1.4
1.4	1.8	1.6	1.5	1.5	1.5
1.5	2.0	1.8	1.7	1.6	1.6
1.6	2.2	1.9	1.8	1.8	1.7
1.7	2.4	2.0	1.9	1.9	1.8
1.8	2.6	2.2	2.1	2.0	2.0
1.9	2.8	2.4	2.2	2.1	2.1
2.0	3.0	2.5	2.3	2.2	2.2
2.1	-	2.6	2.5	2.4	2.3
2.2	-	2.8	2.6	2.5	2.4
2.3	-	3.0	2.7	2.6	2.6
2.4	-	3.1	2.9	2.8	2.7
2.5	-	3.2	3.0	2.9	2.8
2.6	-	3.4	3.1	3.0	2.9
2.7	-	3.6	3.3	3.1	3.0
2.8	-	3.7	3.4	3.2	3.2
2.9	-	3.8	3.5	3.4	3.3
3.0	-	4.0	3.7	3.5	3.4
3.1	-	-	3.8	3.6	3.5
3.2	-	-	3.9	3.8	3.6
3.3	-	-	4.1	3.9	3.8
3.4	-	-	4.2	4.0	3.9
3.5	-	-	4.3	4.1	4.0
3.6	-	-	4.5	4.2	4.1
3.7	-	-	4.6	4.4	4.2
3.8	-	-	4.7	4.5	4.4
3.9	-	-	4.9	4.6	4.5
4.0	-	-	5.0	4.8	4.6
4.1	-	-	-	4.9	4.7
4.2	-	-	-	5.0	4.8
4.3	-	-	-	5.1	5.0
4.4	-	-	-	5.2	5.1
4.5	-	-	-	5.4	5.2
4.6	-	-	-	5.5	5.3
4.7	-	-	-	5.6	5.4
4.8	-	-	-	5.8	5.6
4.9	-	-	-	5.9	5.7
5.0	-	-	-	6.0	5.8
5.1	-	-	-	-	6.0
5.2	-	-	-	-	6.1
5.3	-	-	-	-	6.2
5.4	-	-	-	-	6.3
5.5	-	-	-	-	6.4
5.6	-	-	-	-	6.5
5.7	-	-	-	-	6.6
5.8	-	-	-	-	6.8
5.9	-	-	-	-	6.9
6.0	-	-	-	-	7.0

Predicted Grade Equivalent Scores Over 10 Month Period

G.E. Score in Sept.	7th	8th	9th	10th	11th	12th
1.0	1.0	1.0	1.0	1.0	1.0	1.0
1.1	1.1	1.1	1.1	1.1	1.1	1.1
1.2	1.2	1.2	1.2	1.2	1.2	1.2
1.3	1.4	1.3	1.3	1.3	1.3	1.3
1.4	1.5	1.4	1.4	1.4	1.4	1.4
1.5	1.6	1.6	1.6	1.6	1.6	1.5
1.6	1.7	1.7	1.7	1.7	1.7	1.6
1.7	1.8	1.8	1.8	1.8	1.8	1.8
1.8	1.9	1.9	1.9	1.9	1.9	1.9
1.9	2.1	2.0	2.0	2.0	2.0	2.0
2.0	2.2	2.1	2.1	2.1	2.1	2.1
2.1	2.3	2.2	2.2	2.2	2.2	2.2
2.2	2.4	2.4	2.4	2.3	2.3	2.3
2.3	2.5	2.5	2.5	2.4	2.4	2.4
2.4	2.6	2.6	2.6	2.6	2.5	2.5
2.5	2.8	2.7	2.7	2.7	2.6	2.6
2.6	2.9	2.8	2.8	2.8	2.8	2.7
2.7	3.0	2.9	2.9	2.9	2.9	2.8
2.8	3.1	3.0	3.0	3.0	3.0	3.0
2.9	3.2	3.2	3.1	3.1	3.1	3.1
3.0	3.3	3.3	3.2	3.2	3.2	3.2
3.1	3.5	3.4	3.4	3.3	3.3	3.3
3.2	3.6	3.5	3.5	3.4	3.4	3.4
3.3	3.7	3.6	3.6	3.6	3.5	3.5
3.4	3.8	3.7	3.7	3.7	3.6	3.6
3.5	3.9	3.8	3.8	3.8	3.8	3.7
3.6	4.0	4.0	3.9	3.9	3.9	3.8
3.7	4.2	4.1	4.0	4.0	4.0	3.9
3.8	4.3	4.2	4.2	4.1	4.1	4.0
3.9	4.4	4.3	4.3	4.2	4.2	4.2
4.0	4.5	4.4	4.4	4.3	4.3	4.3
4.1	4.6	4.5	4.5	4.4	4.4	4.4
4.2	4.7	4.6	4.6	4.6	4.5	4.5
4.3	4.9	4.8	4.7	4.7	4.6	4.6
4.4	5.0	4.9	4.8	4.8	4.7	4.7
4.5	5.1	5.0	4.9	4.9	4.8	4.8
4.6	5.2	5.1	5.0	5.0	5.0	4.9
4.7	5.3	5.2	5.2	5.1	5.1	5.0
4.8	5.4	5.3	5.3	5.2	5.2	5.1
4.9	5.6	5.4	5.4	5.3	5.3	5.2
5.0	5.7	5.6	5.5	5.4	5.4	5.4
5.1	5.8	5.7	5.6	5.6	5.5	5.5
5.2	5.9	5.8	5.7	5.7	5.6	5.6
5.3	6.0	5.9	5.8	5.8	5.7	5.7
5.4	6.1	6.0	6.0	5.9	5.8	5.8
5.5	6.3	6.1	6.1	6.0	6.0	5.9
5.6	6.4	6.2	6.2	6.1	6.1	6.0
5.7	6.5	6.4	6.3	6.2	6.2	6.1
5.8	6.6	6.5	6.4	6.3	6.3	6.2
5.9	6.7	6.6	6.5	6.4	6.4	6.3
6.0	6.8	6.7	6.6	6.6	6.5	6.4

Predicted Grade Equivalent Scores Over 10 Month Period

G.E. Score in Sept.	7th	8th	9th	10th	11th	12th
6.1	7.0	6.8	6.7	6.7	6.6	6.6
6.2	7.1	6.9	6.8	6.8	6.7	6.7
6.3	7.2	7.0	7.0	6.9	6.8	6.8
6.4	7.3	7.2	7.1	7.0	6.9	6.9
6.5	7.4	7.3	7.2	7.1	7.0	7.0
6.6	7.5	7.4	7.3	7.2	7.2	7.1
6.7	7.7	7.5	7.4	7.3	7.3	7.2
6.8	7.8	7.6	7.5	7.4	7.4	7.3
6.9	7.9	7.7	7.6	7.6	7.5	7.4
7.0	8.0	7.8	7.8	7.7	7.6	7.5
7.1	-	8.0	7.9	7.8	7.7	7.6
7.2	-	8.1	8.0	7.9	7.8	7.8
7.3	-	8.2	8.1	8.0	7.9	7.9
7.4	-	8.3	8.2	8.1	8.0	8.0
7.5	-	8.4	8.3	8.2	8.2	8.1
7.6	-	8.5	8.4	8.3	8.3	8.2
7.7	-	8.6	8.5	8.4	8.4	8.3
7.8	-	8.8	8.6	8.6	8.5	8.4
7.9	-	8.9	8.8	8.7	8.6	8.5
8.0	-	9.0	8.9	8.8	8.7	8.6
8.1	-	-	9.0	8.9	8.8	8.7
8.2	-	-	9.1	9.0	8.9	8.8
8.3	-	-	9.2	9.1	9.0	9.0
8.4	-	-	9.3	9.2	9.1	9.1
8.5	-	-	9.4	9.3	9.2	9.2
8.6	-	-	9.6	9.4	9.4	9.3
8.7	-	-	9.7	9.6	9.5	9.4
8.8	-	-	9.8	9.7	9.6	9.5
8.9	-	-	9.9	9.8	9.7	9.6
9.0	-	-	10.0	9.9	9.8	9.7
9.1	-	-	-	10.0	9.9	9.8
9.2	-	-	-	10.1	10.0	9.9
9.3	-	-	-	10.2	10.1	10.0
9.4	-	-	-	10.3	10.2	10.2
9.5	-	-	-	10.4	10.4	10.3
9.6	-	-	-	10.6	10.5	10.4
9.7	-	-	-	10.7	10.6	10.5
9.8	-	-	-	10.8	10.7	10.6
9.9	-	-	-	10.9	10.8	10.7
10.0	-	-	-	11.0	10.9	10.8
10.1	-	-	-	-	11.0	10.9
10.2	-	-	-	-	11.1	11.0
10.3	-	-	-	-	11.2	11.1
10.4	-	-	-	-	11.3	11.2
10.5	-	-	-	-	11.4	11.4
10.6	-	-	-	-	11.6	11.5
10.7	-	-	-	-	11.7	11.6
10.8	-	-	-	-	11.8	11.7
10.9	-	-	-	-	11.9	11.8
11.0	-	-	-	-	12.0	11.9